

CLAIMS

We claim:

1. A method comprising:
 - 5 maintaining a set of data that correlates data-references with location and device capability information, wherein each data reference points to respective data;
 - receiving from a device a request for context-based data;
 - determining a current location of the device and determining one or more capabilities of the device;
 - 10 querying the set of data to uncover at least one data-reference that the set of data correlates with the current location of the device and that the data set correlates with the one or more capabilities of the device;
 - acquiring data to which the at least one data-reference points; and
 - 15 sending the acquired data to the device in response to the request.
- 15 2. The method of claim 1, further comprising:
 - a wireless carrier performing the method.
3. The method of claim 1, wherein receiving the request comprises receiving the request via a radio frequency air interface, and wherein sending the acquired data comprises sending the acquired data via the radio frequency air interface.
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4. The method of claim 1, wherein the device comprises a mobile station.

5. The method of claim 1, wherein the request comprises an HTTP request.

6. The method of claim 1, wherein determining the current location of the device comprises querying a location-determination system.

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7. The method of claim 1, wherein determining the current location of the device comprises reading an indication of the current location from the request.

10 8. The method of claim 1, wherein determining the one or more capabilities of the device comprises querying a device capabilities store to determine the one or more capabilities of the device.

15 9. The method of claim 1, wherein determining the one or more capabilities of the device comprises determining a make and model of the device, wherein the make and model inherently defines certain device capabilities.

20 10. The method of claim 1, wherein the data-references comprise uniform resource identifiers ("URIs"), and wherein acquiring data to which the at least one data-reference points comprises sending at least one HTTP request directed to at least one URI of the at least one data-reference.

11. The method of claim 1, further comprising:

generating the set of data by a process comprising computing at least one Cartesian product of (i) a measure of geographic location and (ii) one of the data references.

5 12. A context-based data delivery system comprising:

 a set of data that correlates data-references with location and device capability information, wherein each data reference points to respective data;

 a network server having a network interface through which the server receives a request from a device for context-based data and through which the server sends a response to the request; and

 wherein the network server is programmed to respond to the request by (i) determining a current location of the device and determining one or more capabilities of the device, (ii) querying the set of data to uncover at least one data-reference that the set of data correlates with the current location of the device and that the set of data correlates with the one or more capabilities of the device, (iii) acquiring data to which the at least one data-reference points and (iv) sending the acquired data via the network interface to the device as the response to the request.

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20 13. The context-based data delivery system of claim 12, further comprising a radio access network through which the request passes from the device to the network server, and through which the acquired data passes from the network server to the device.

14. The context-based data delivery system of claim 12, wherein device comprises a mobile station.

5 15. The context-based data delivery system of claim 12, wherein the request is embodied in an HTTP request message, and the response is embodied in an HTTP response message.

10 16. The context-based data delivery system of claim 12, further comprising a location-determination system, wherein the network server determines the current location of the device by querying the location-determination system.

15 17. The context-based data delivery system of claim 12, further comprising a device capabilities store, wherein the network server determines the one or more capabilities of the device by querying the device capabilities store.

18. The context-based data delivery system of claim 12, wherein the data-references comprise uniform resource identifiers ("URIs"), and the network server acquires data to which the at least one data-reference points by sending at least one HTTP request directed to at least one URI of the at least one data-reference.

20 19. The context-based data delivery system of claim 12, wherein the network server comprises a portal server.

20. The context-based data delivery system of claim 12, wherein the network server is operated by a carrier that provides the device with an access channel.